

Data File : VW017416.D
Acq On : 20 Nov 2020 14:48
Operator : SY/VA
Sample : L4819-07
Misc : 5.28G/10ML/MSVOA_W/SOIL
ALS Vial : 1 Sample Multiplier: 1

Instrument :
MSVOA_W
ClientSampleId :
C0B00

Quant Time: Nov 21 00:32:59 2020
Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_W\METHOD\SOM2WLM111820S.M
Quant Title : VOC Analysis
QLast Update : Sat Nov 21 00:30:34 2020
Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	8.84	114	324454	25.00	ug/L	0.00
28) Chlorobenzene-d5	11.63	117	297247	25.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	13.56	152	125441	25.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	2.35	65	103432	21.53	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	86.12%
7) Chloroethane-d5	2.89	69	85698	22.46	ug/L	0.00
Spiked Amount	25.000	Range	30 - 150	Recovery	=	89.84%
10) 1,1-Dichloroethene-d2	4.02	63	133404	15.88	ug/L	0.00
Spiked Amount	25.000	Range	45 - 110	Recovery	=	63.52%
20) 2-Butanone-d5	7.08	46	32701	41.45	ug/L	-0.01
Spiked Amount	50.000	Range	20 - 135	Recovery	=	82.90%
24) Chloroform-d	7.65	84	193773	22.73	ug/L	0.00
Spiked Amount	25.000	Range	40 - 150	Recovery	=	90.92%
26) 1,2-Dichloroethane-d4	8.31	65	98810	23.99	ug/L	0.00
Spiked Amount	25.000	Range	70 - 130	Recovery	=	95.96%
29) Benzene-d6	8.27	84	375428	22.40	ug/L	0.00
Spiked Amount	25.000	Range	20 - 135	Recovery	=	89.60%
33) 1,2-Dichloropropane-d6	9.27	67	105161	23.56	ug/L	0.00
Spiked Amount	25.000	Range	70 - 120	Recovery	=	94.24%
37) Toluene-d8	10.32	98	347928	22.06	ug/L	0.00
Spiked Amount	25.000	Range	30 - 130	Recovery	=	88.24%
38) trans-1,3-Dichloropropene-	10.58	79	39997	20.58	ug/L	0.00
Spiked Amount	25.000	Range	30 - 135	Recovery	=	82.32%
39) 2-Hexanone-d5	10.93	63	25206	42.11	ug/L	0.00
Spiked Amount	50.000	Range	20 - 135	Recovery	=	84.22%
48) 1,1,2,2-Tetrachloroethane-	12.69	84	78879	23.32	ug/L	0.00
Spiked Amount	25.000	Range	45 - 120	Recovery	=	93.28%
61) 1,2-Dichlorobenzene-d4	13.85	152	110557	23.87	ug/L	0.00
Spiked Amount	25.000	Range	75 - 120	Recovery	=	95.48%

Target Compounds

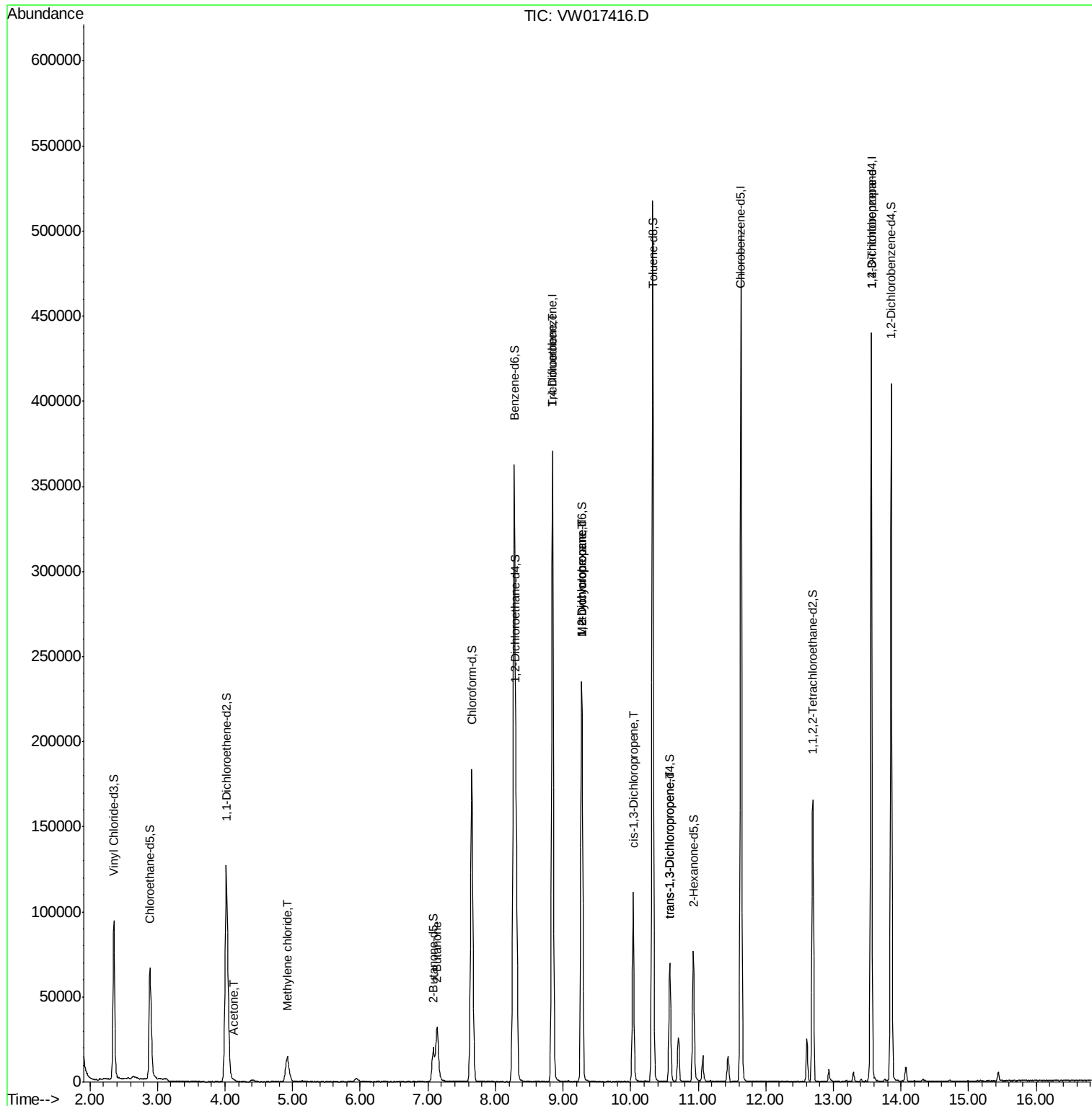
					Qvalue
13) Acetone	4.14	43	750	1.303 ug/L	70
16) Methylene chloride	4.92	84	13792	2.485 ug/L	92
21) 2-Butanone	7.13	43	2359	2.674 ug/L #	49
35) Trichloroethene	8.85	95	9310	1.960 ug/L #	2
36) Methylcyclohexane	9.27	83	27916	3.678 ug/L #	21
40) 1,2-Dichloropropane	9.27	63	12736	3.353 ug/L #	85
42) cis-1,3-Dichloropropene	10.04	75	2912	0.494 ug/L #	71
45) trans-1,3-Dichloropropene	10.58	75	1805	0.361 ug/L	89
59) 1,2,3-Trichloropropane	13.56	75	13415	5.731 ug/L	96

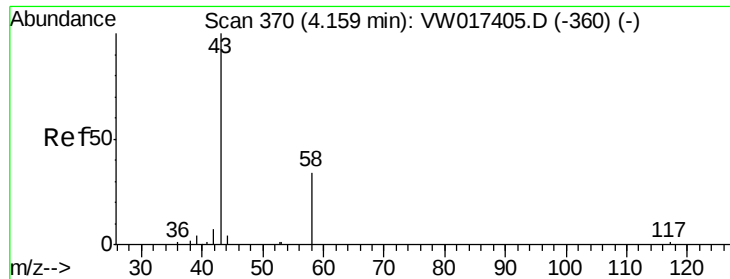
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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QLast Update : Sat Nov 21 00:30:34 2020
Response via : Initial Calibration





#13

Acetone

Concen: 1.303 ug/L

RT: 4.14 min Scan# 366

Delta R.T. -0.02 min

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Acq: 20 Nov 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

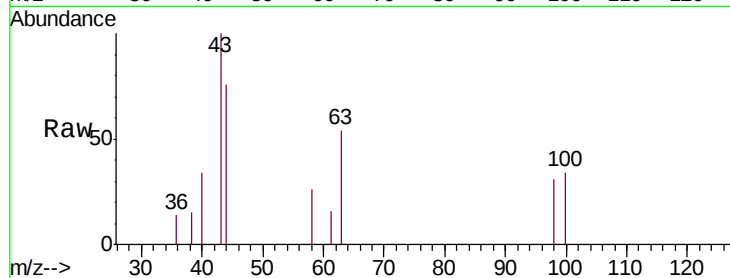
C0B00

Tgt Ion: 43 Resp: 750

Ion Ratio Lower Upper

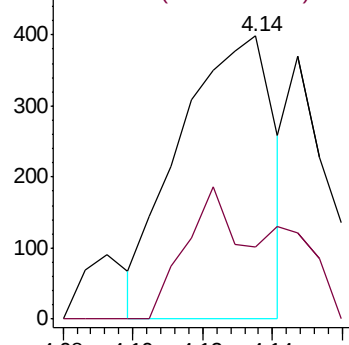
43 100

58 16.5 0.0 67.0

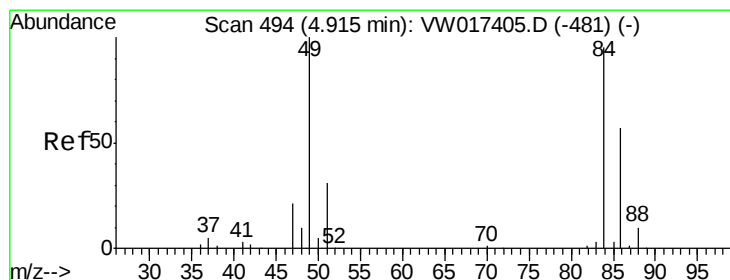
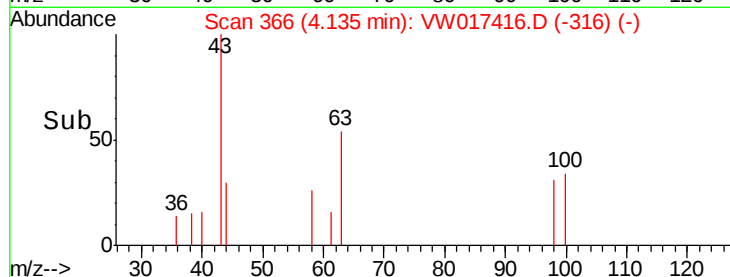


Abundance Ion 43.00 (42.70 to 43.70): VW

Ion 58.00 (57.70 to 58.70): VW



Time-->



#16

Methylene chloride

Concen: 2.485 ug/L

RT: 4.92 min Scan# 495

Delta R.T. 0.01 min

Lab File: VW017416.D

Acq: 20 Nov 2020 14:48

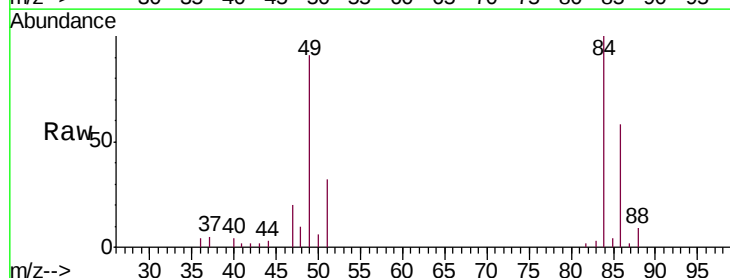
Tgt Ion: 84 Resp: 13792

Ion Ratio Lower Upper

84 100

49 91.2 71.5 132.9

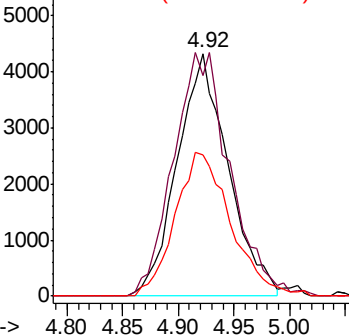
86 58.3 42.8 79.4



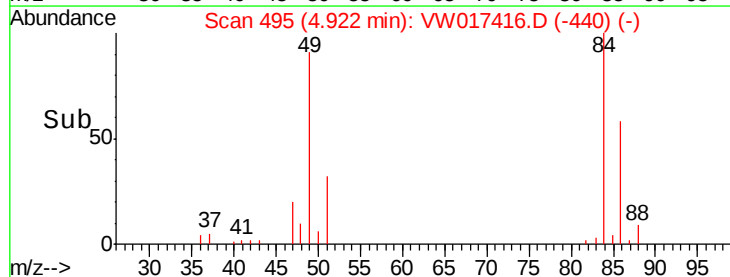
Abundance Ion 84.00 (83.70 to 84.70): VW

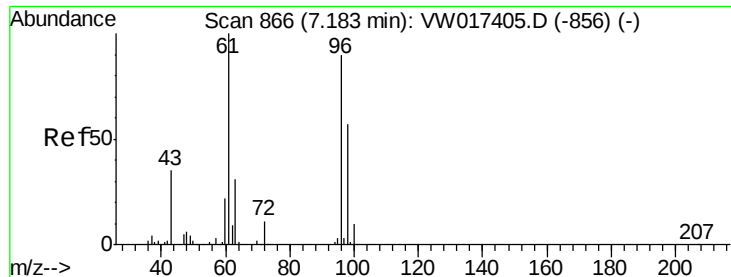
Ion 49.00 (48.70 to 49.70): VW

Ion 86.00 (85.70 to 86.70): VW



Time-->





#21

2-Butanone

Concen: 2.674 ug/L

RT: 7.13 min Scan# 857

Delta R.T. -0.05 min

Lab File: VW017416.D

Acq: 20 Nov 2020 14:48

Instrument :

MSVOA_W

ClientSampled :

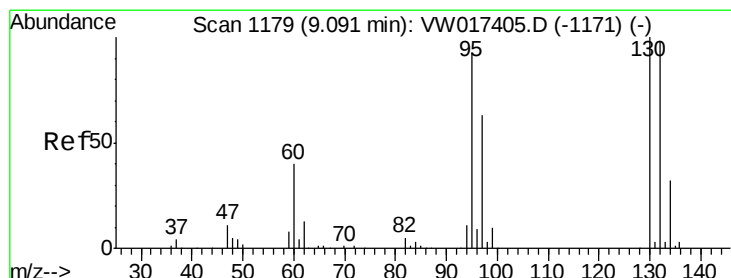
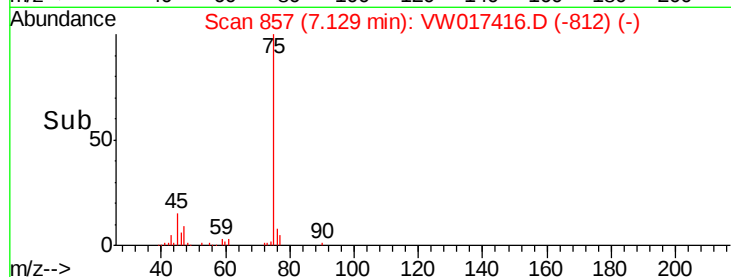
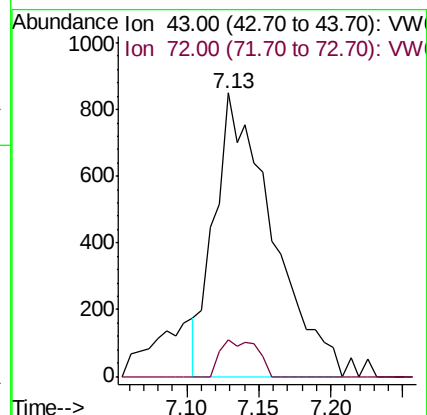
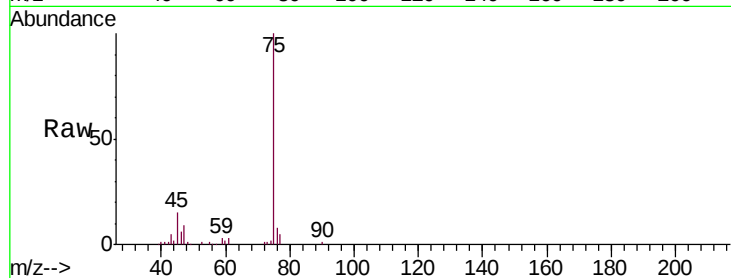
C0B00

Tgt Ion: 43 Resp: 2359

Ion Ratio Lower Upper

43 100

72 4.2 16.4 49.1#



#35

Trichloroethene

Concen: 1.960 ug/L

RT: 8.85 min Scan# 1139

Delta R.T. -0.24 min

Lab File: VW017416.D

Acq: 20 Nov 2020 14:48

Tgt Ion: 95 Resp: 9310

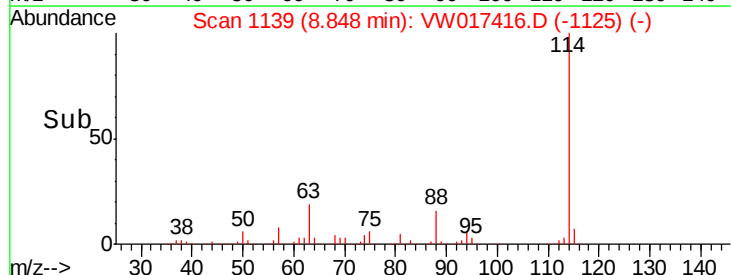
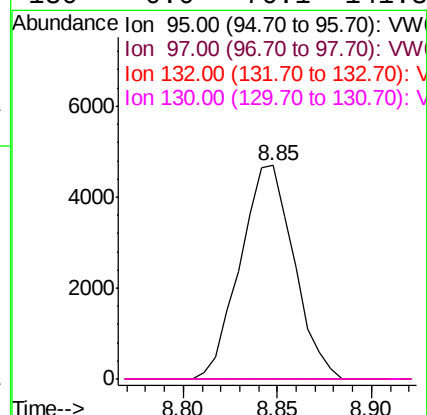
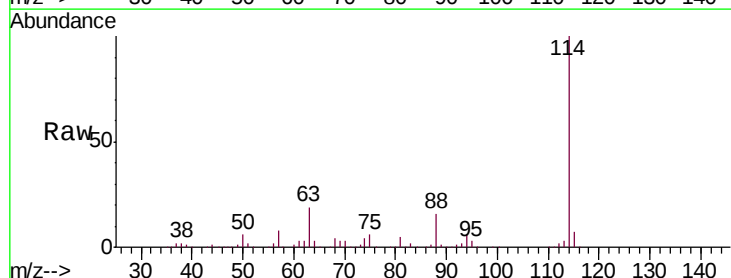
Ion Ratio Lower Upper

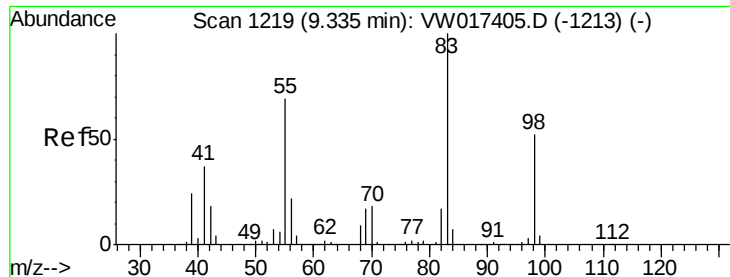
95 100

97 0.0 44.7 82.9#

132 0.0 72.7 134.9#

130 0.0 76.1 141.3#

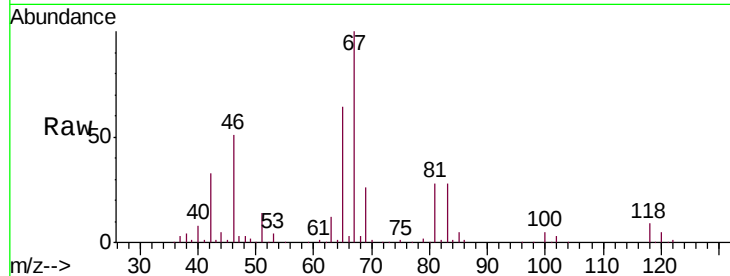




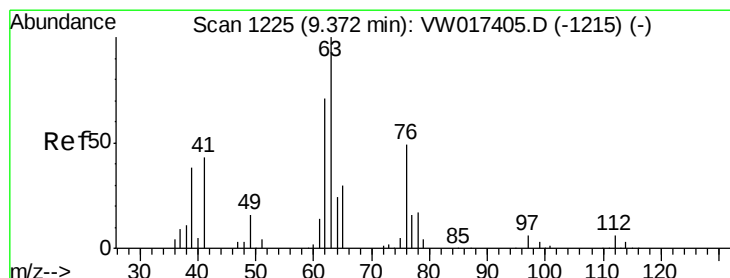
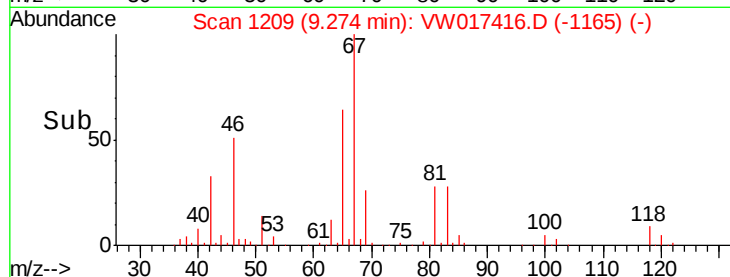
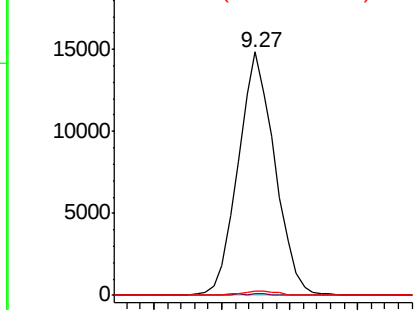
#36
Methylcyclohexane
Concen: 3.678 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.06 min
Lab File: VW017416.D
Acq: 20 Nov 2020 14:48

Instrument :
MSVOA_W
ClientSampleId :
C0B00

Tgt Ion: 83 Resp: 27916
Ion Ratio Lower Upper
83 100
55 0.3 54.6 81.8#
98 1.8 41.5 62.3#

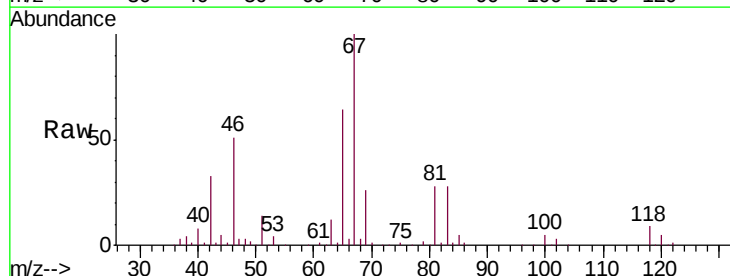


Abundance Ion 83.00 (82.70 to 83.70): VW
Ion 55.00 (54.70 to 55.70): VW
Ion 98.00 (97.70 to 98.70): VW

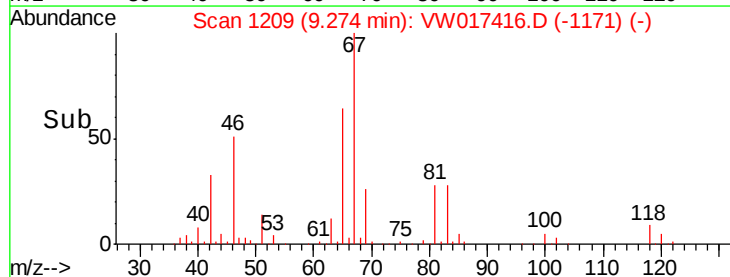
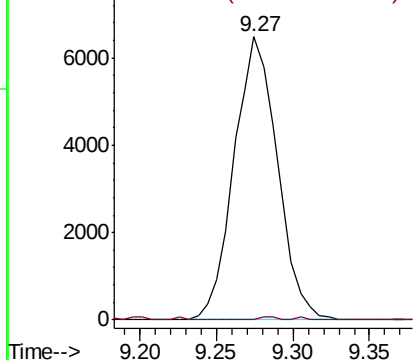


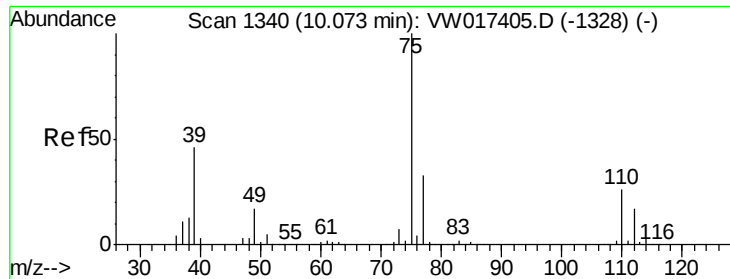
#40
1,2-Dichloropropane
Concen: 3.353 ug/L
RT: 9.27 min Scan# 1209
Delta R.T. -0.10 min
Lab File: VW017416.D
Acq: 20 Nov 2020 14:48

Tgt Ion: 63 Resp: 12736
Ion Ratio Lower Upper
63 100
112 0.4 4.2 6.4#



Abundance Ion 63.00 (62.70 to 63.70): VW
Ion 112.00 (111.70 to 112.70): V





#42

cis-1,3-Dichloropropene

Concen: 0.494 ug/L

RT: 10.04 min Scan# 1335

Delta R.T. -0.03 min

Lab File: VW017416.D

Acq: 20 Nov 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

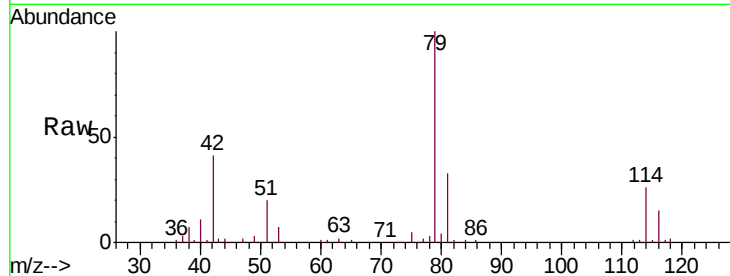
C0B00

Tgt Ion: 75 Resp: 2912

Ion Ratio Lower Upper

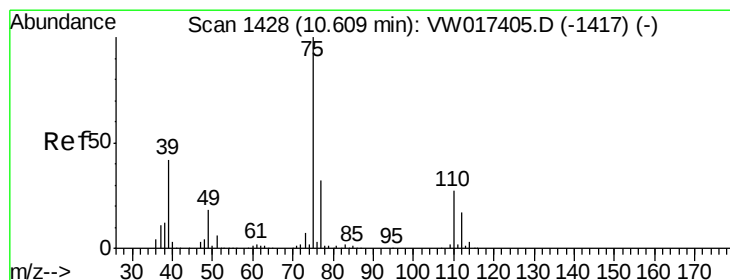
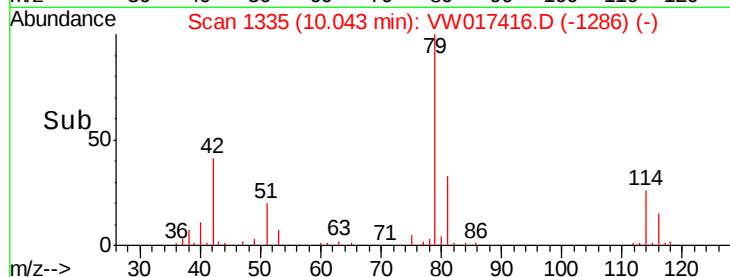
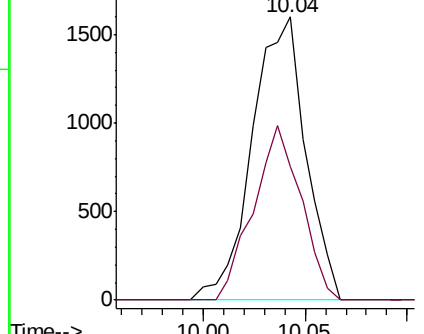
75 100

77 47.1 21.8 40.4#



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW



#45

trans-1,3-Dichloropropene

Concen: 0.361 ug/L

RT: 10.58 min Scan# 1423

Delta R.T. -0.03 min

Lab File: VW017416.D

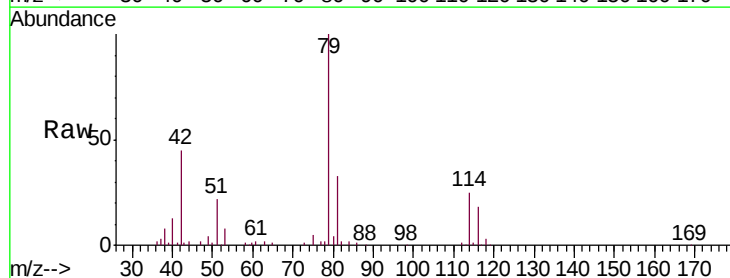
Acq: 20 Nov 2020 14:48

Tgt Ion: 75 Resp: 1805

Ion Ratio Lower Upper

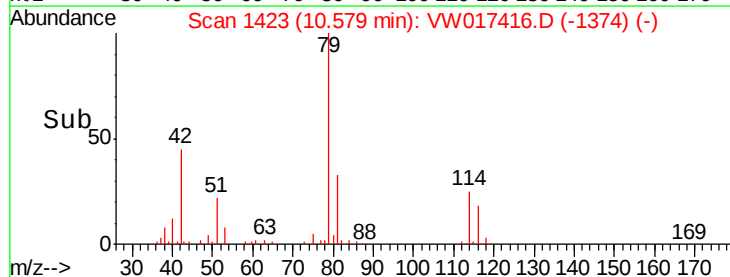
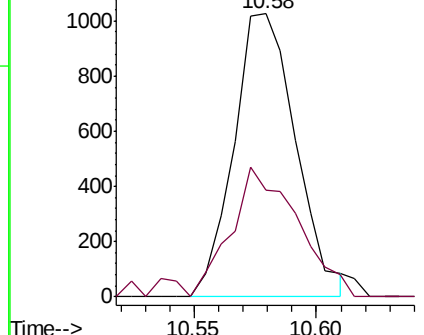
75 100

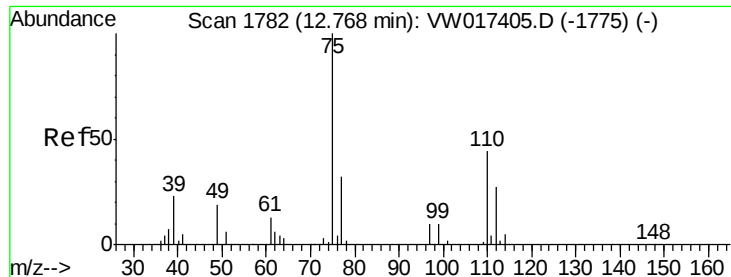
77 37.5 22.0 40.8



Abundance Ion 75.00 (74.70 to 75.70): VW

Ion 77.00 (76.70 to 77.70): VW





#59

1,2,3-Trichloropropane

Concen: 5.731 ug/L

RT: 13.56 min Scan# 1912

Delta R.T. 0.79 min

Lab File: VW017416.D

Acq: 20 Nov 2020 14:48

Instrument :

MSVOA_W

ClientSampleId :

C0B00

Tgt Ion: 75 Resp: 13415

Ion Ratio Lower Upper

75 100

77 31.1 26.6 40.0

